

FIG. 1

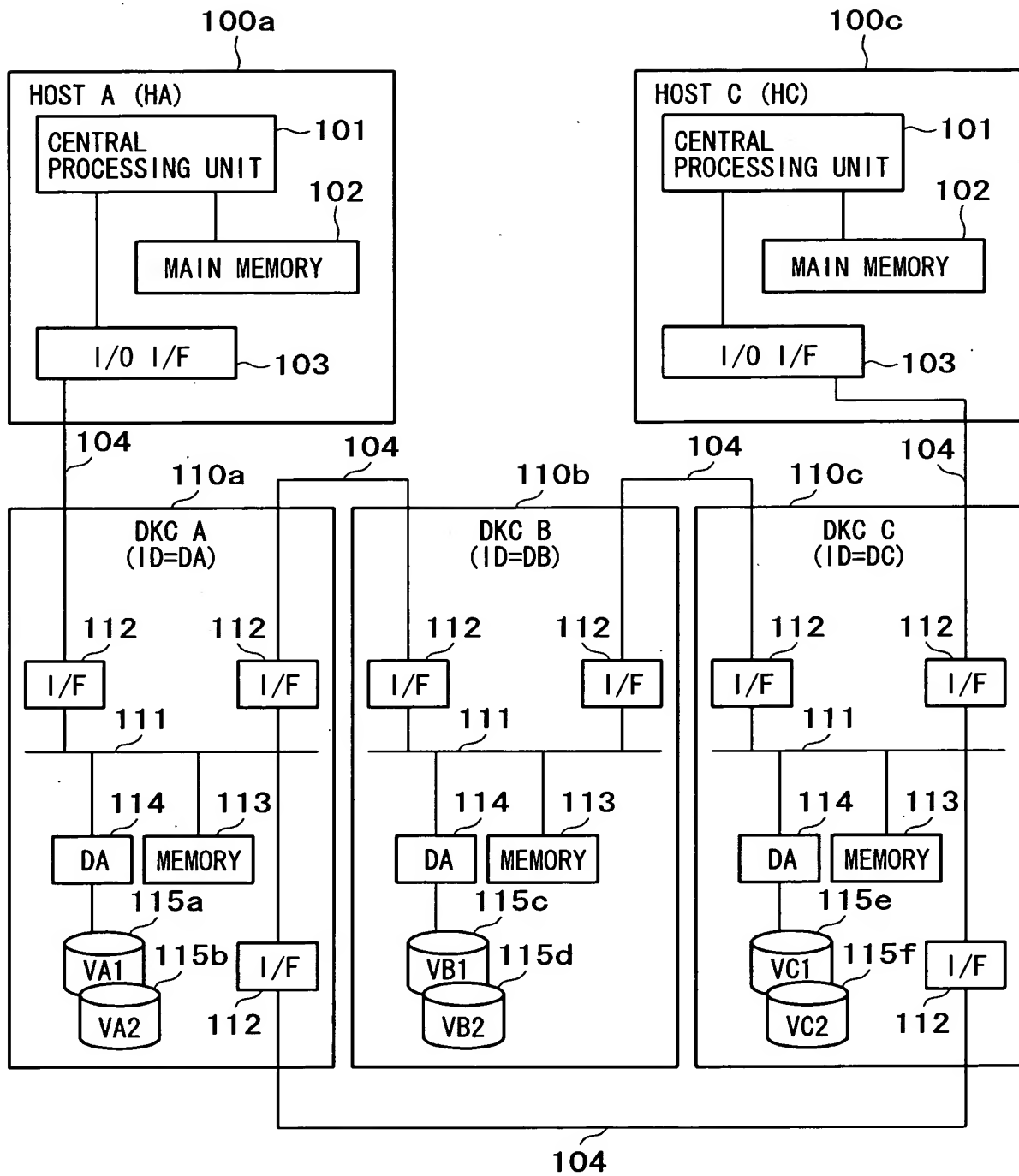
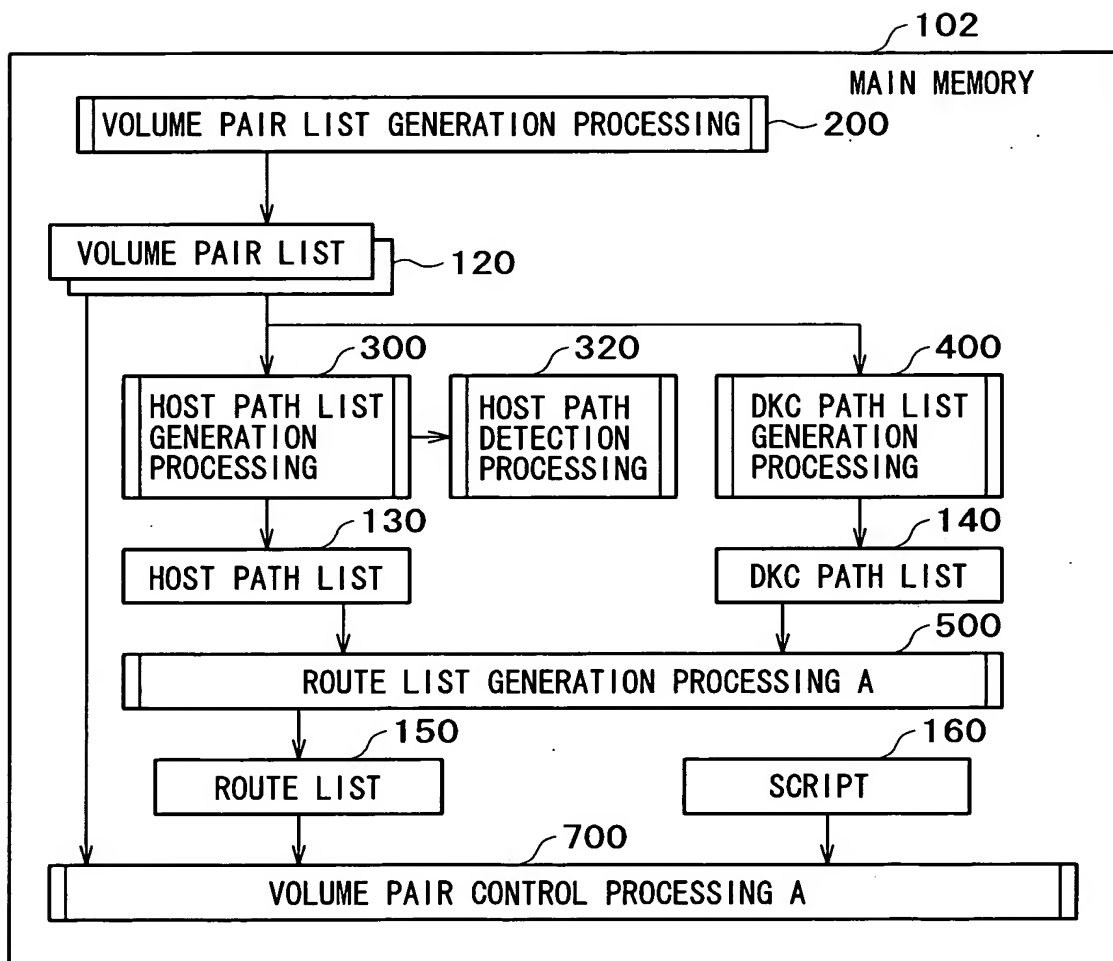


FIG. 2



F I G. 3 A

120a

```
<PairList>  
<ID>PairAB</ID>  
<Pair><prim seq#=DA, dev#=VA1><sec seq#=DB, dev#=VB1></Pair>  
<Pair><prim seq#=DA, dev#=VA2><sec seq#=DB, dev#=VB2></Pair>  
</PairList>
```

F I G. 3 B

120b

```
<PairList>  
<ID>PairBC</ID>  
<Pair><prim seq#=DB, dev#=VB1><sec seq#=DC, dev#=VC1></Pair>  
<Pair><prim seq#=DB, dev#=VB2><sec seq#=DC, dev#=VC2></Pair>  
</PairList>
```

F I G. 3 C

120c

```
<PairList>  
<ID>PairAC</ID>  
<Pair><prim seq#=DA, dev#=VA1><sec seq#=DC, dev#=VC1></Pair>  
<Pair><prim seq#=DA, dev#=VA2><sec seq#=DC, dev#=VC2></Pair>  
</PairList>
```

FIG. 4

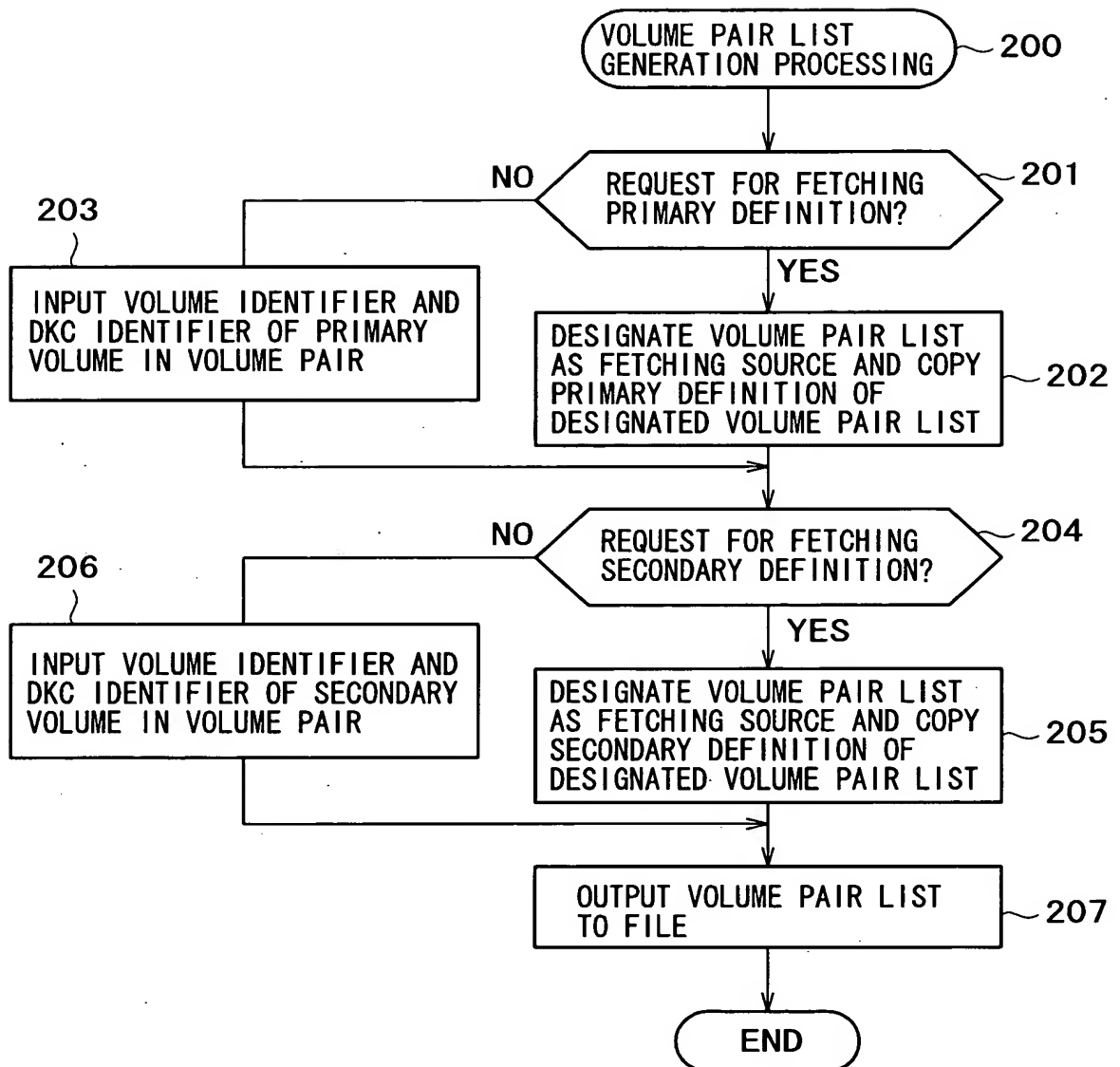


FIG. 5

130

```
<HostPathList>  
<ID>3DC</ID>  
<path><host=HA, DKC=DA></path>  
<path><host=HC, DKC=DC></path>  
</HostPathList>
```

FIG. 6

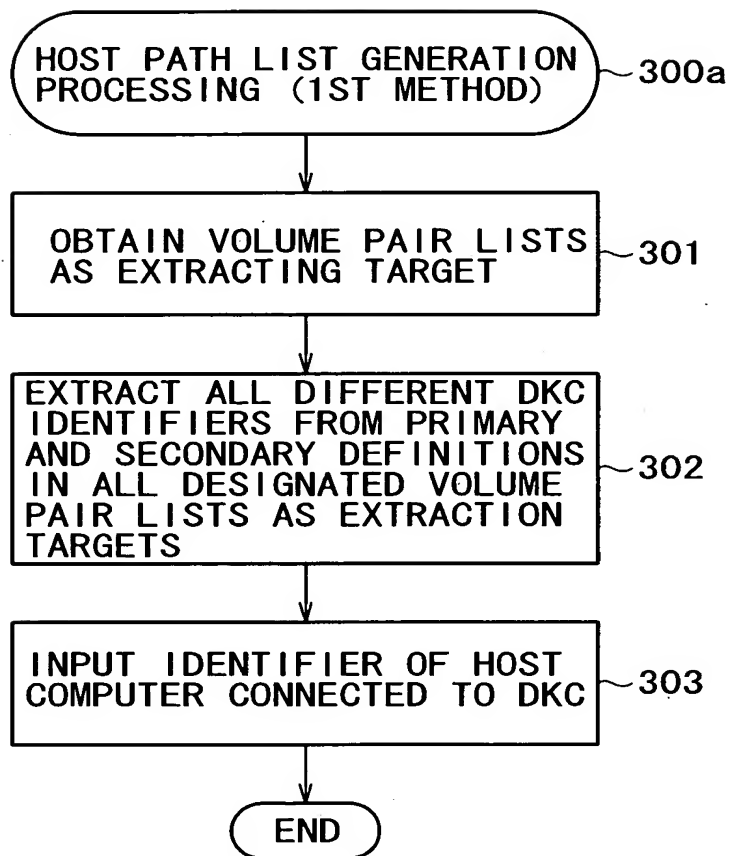
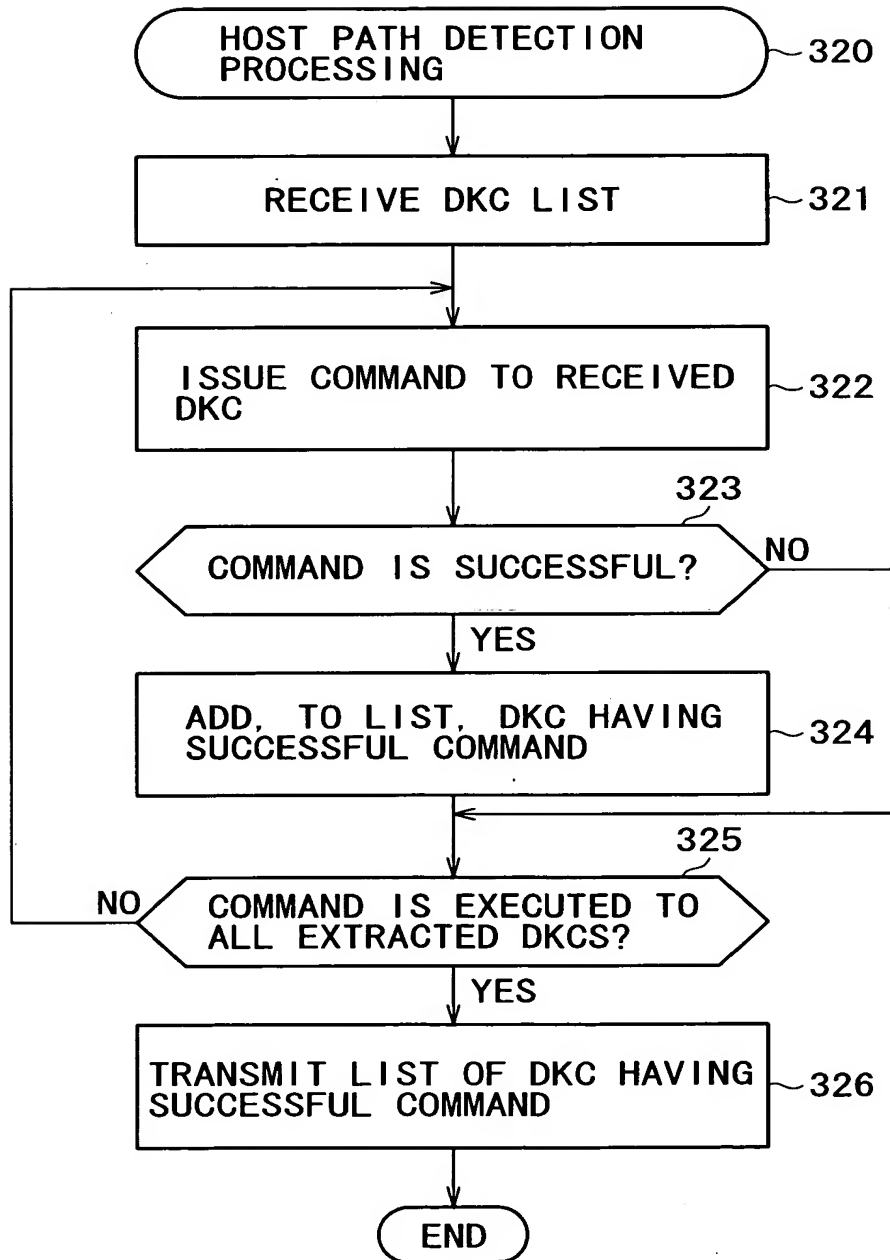


FIG. 7

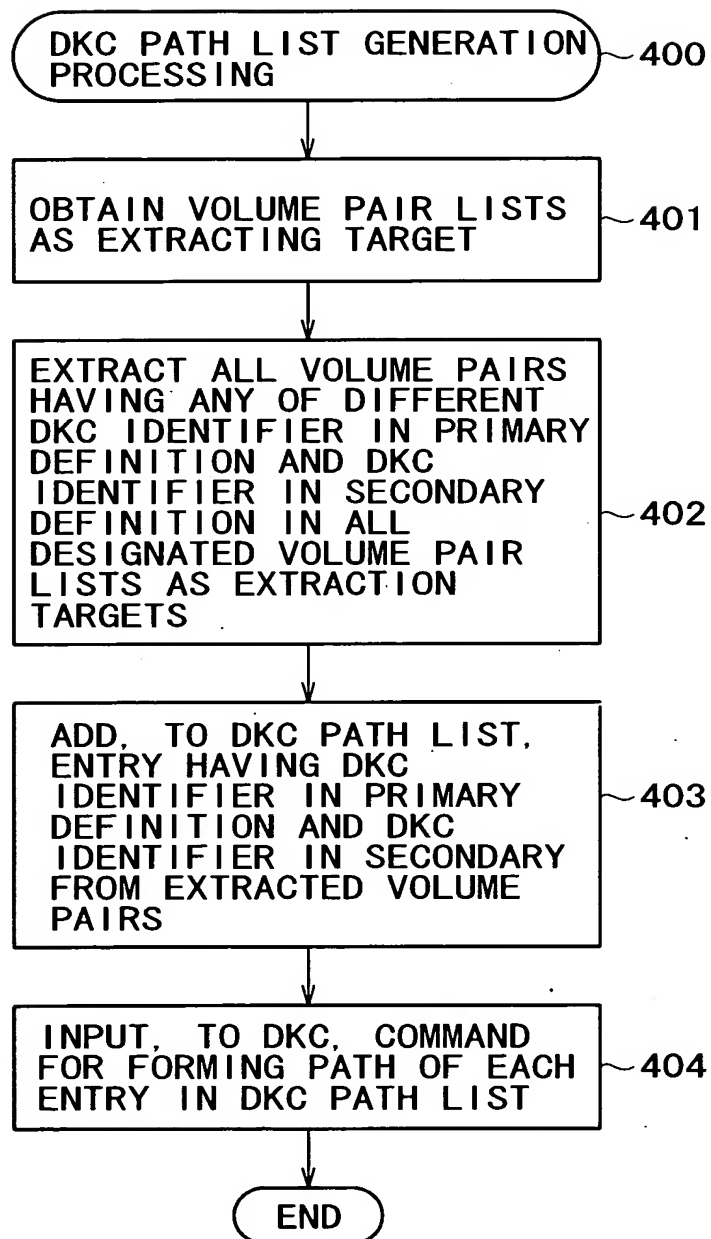


F I G. 8

140

```
<DKCPathList>  
<ID>3DC</ID>  
<path><DKC=DA, DKC=DB></path>  
<path><DKC=DB, DKC=DC></path>  
<path><DKC=DA, DKC=DC></path>  
</DKCPathList>
```


FIG. 9



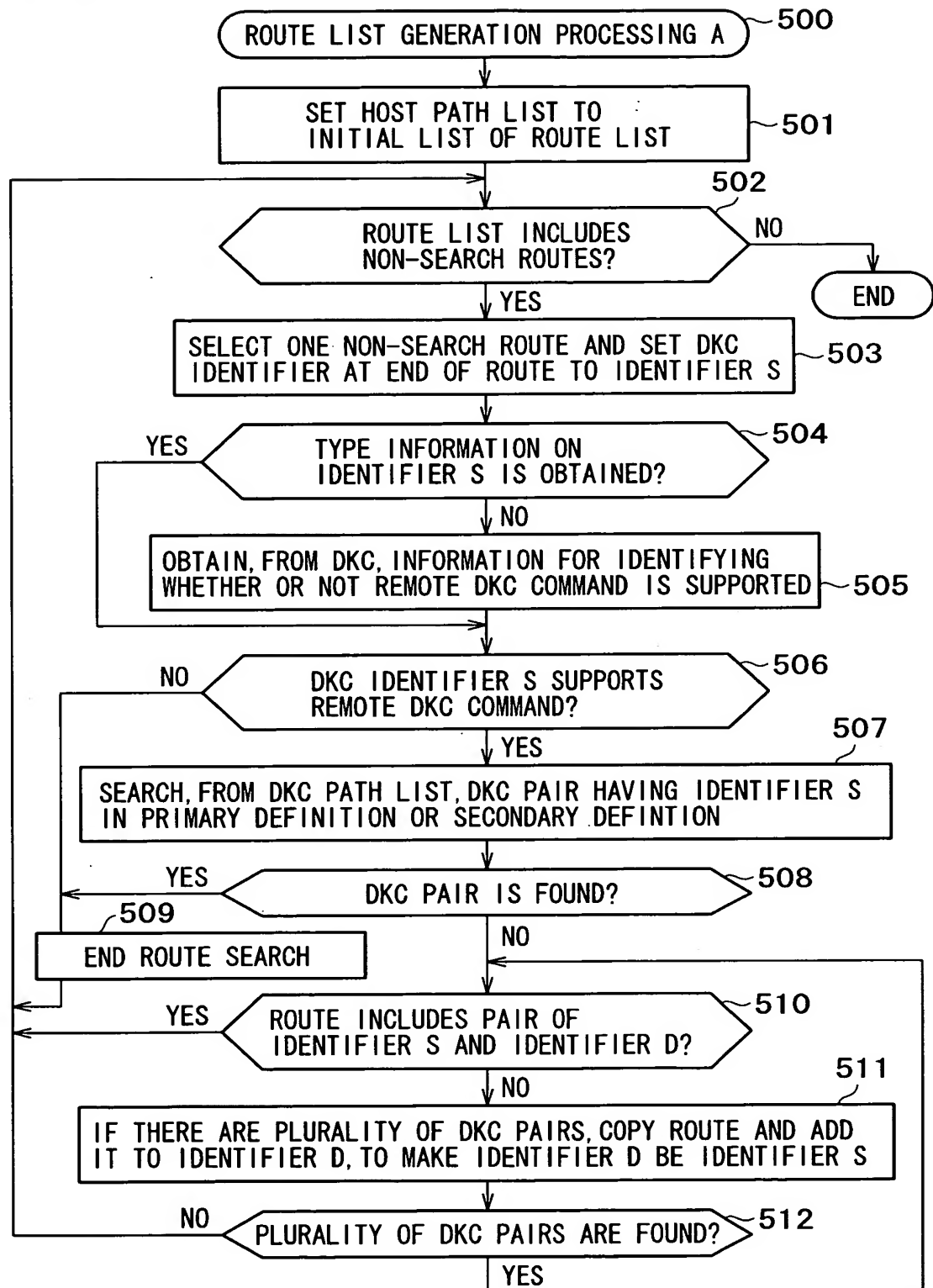
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FIG. 10

150a

priority	host	route
1	HA	DA-DB-DC
1	HA	DA-DB
1	HA	DA
2	HA	DA-DC-DB
2	HA	DA-DC
1	HC	DC-DB-DA
1	HC	DC-DB
1	HC	DC
2	HC	DC-DB-DA
2	HC	DC-DB

FIG. 11



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FIG. 12

170

LOADPAIR ID(PairAB)
LOADROUTE ID(3DC) HOST(HA)
ESTABLISH ID(PairAB)

FIG. 13

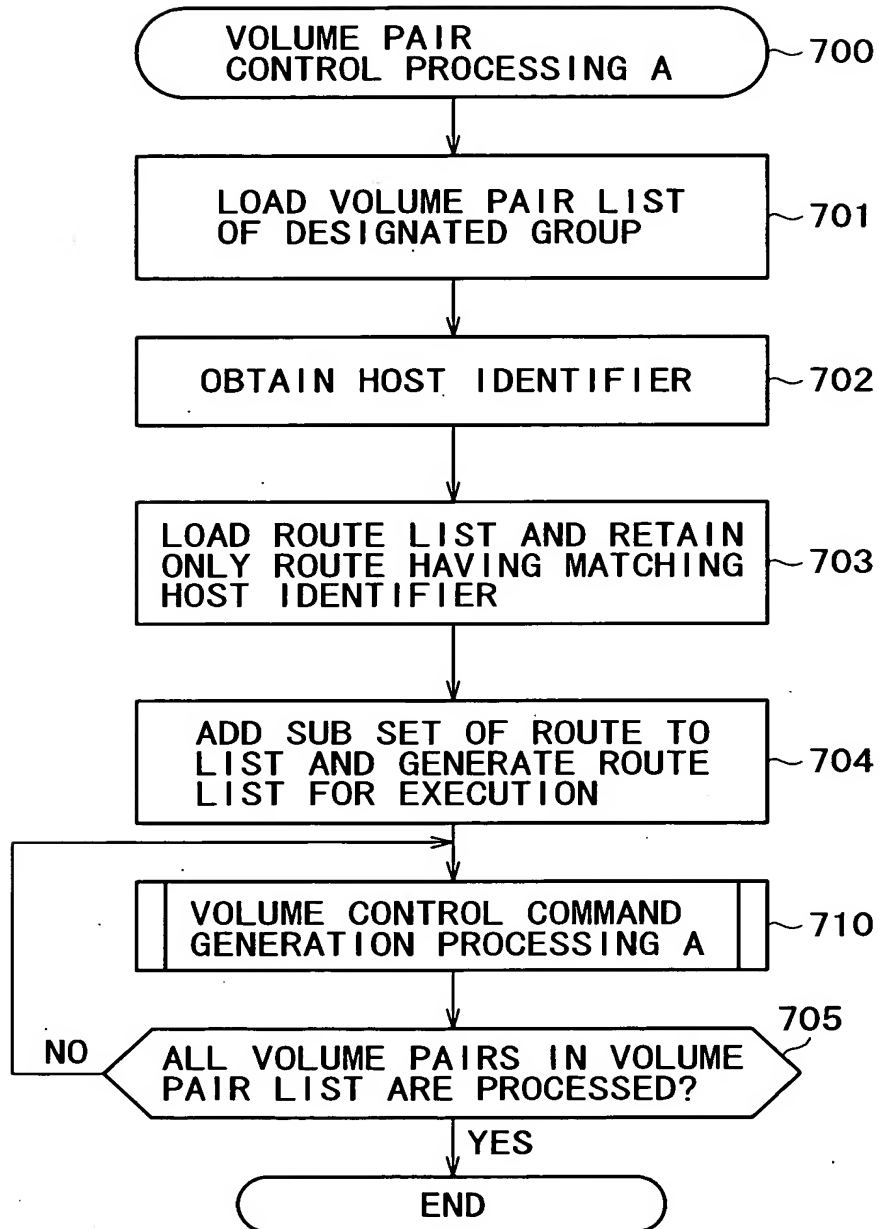


FIG. 14

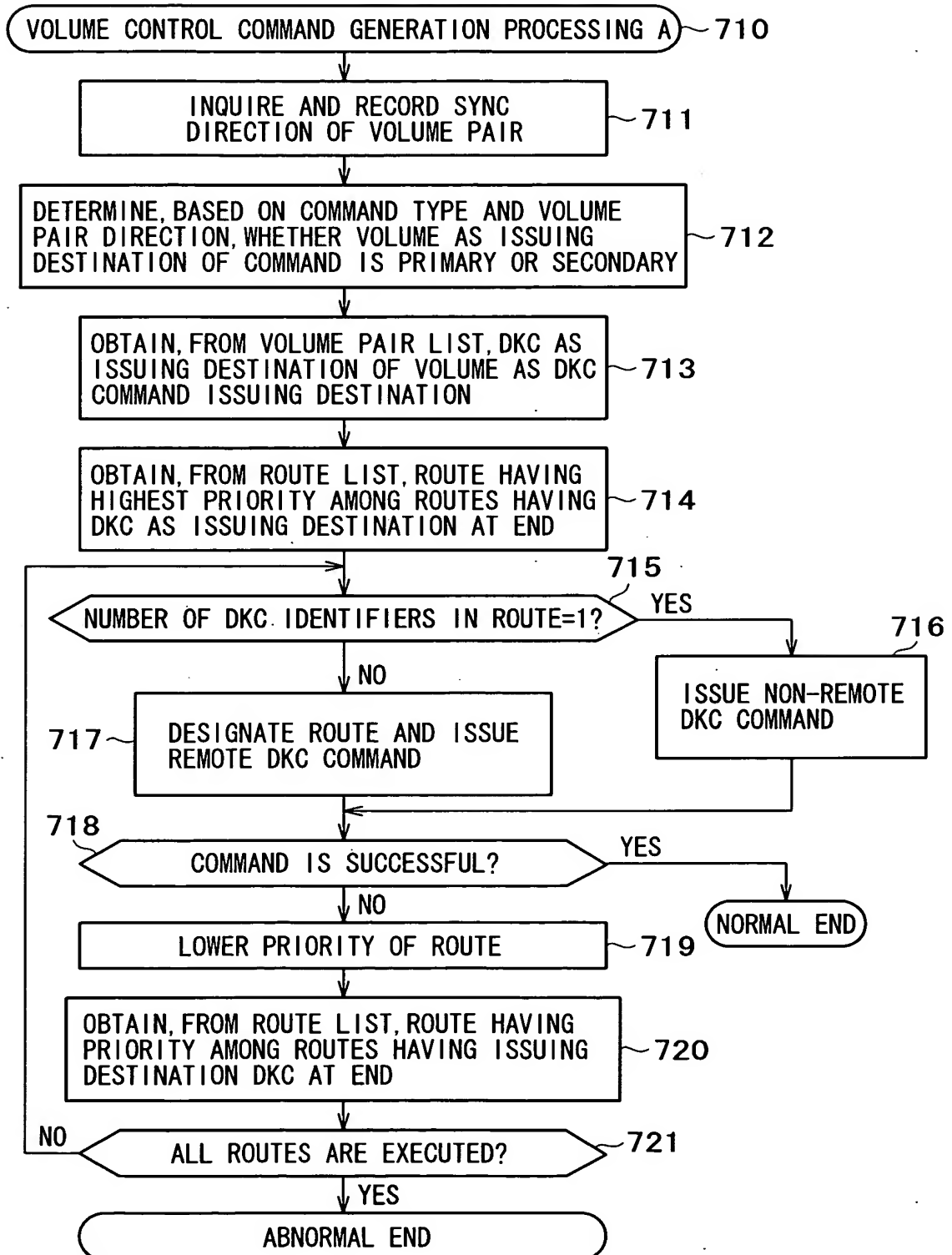


FIG. 15A

180a

DKC IDENTIFIER ON ROUTE : :	181
IDENTIFIER OF TARGET VOLUME	182
IDENTIFIER OF DKC TO WHICH TARGET VOLUME BELONGS : :	183

FIG. 15B

180b

IDENTIFIER OF TARGET VOLUME	182
IDENTIFIER OF DKC TO WHICH TARGET VOLUME BELONGS	183
: :	

FIG. 16

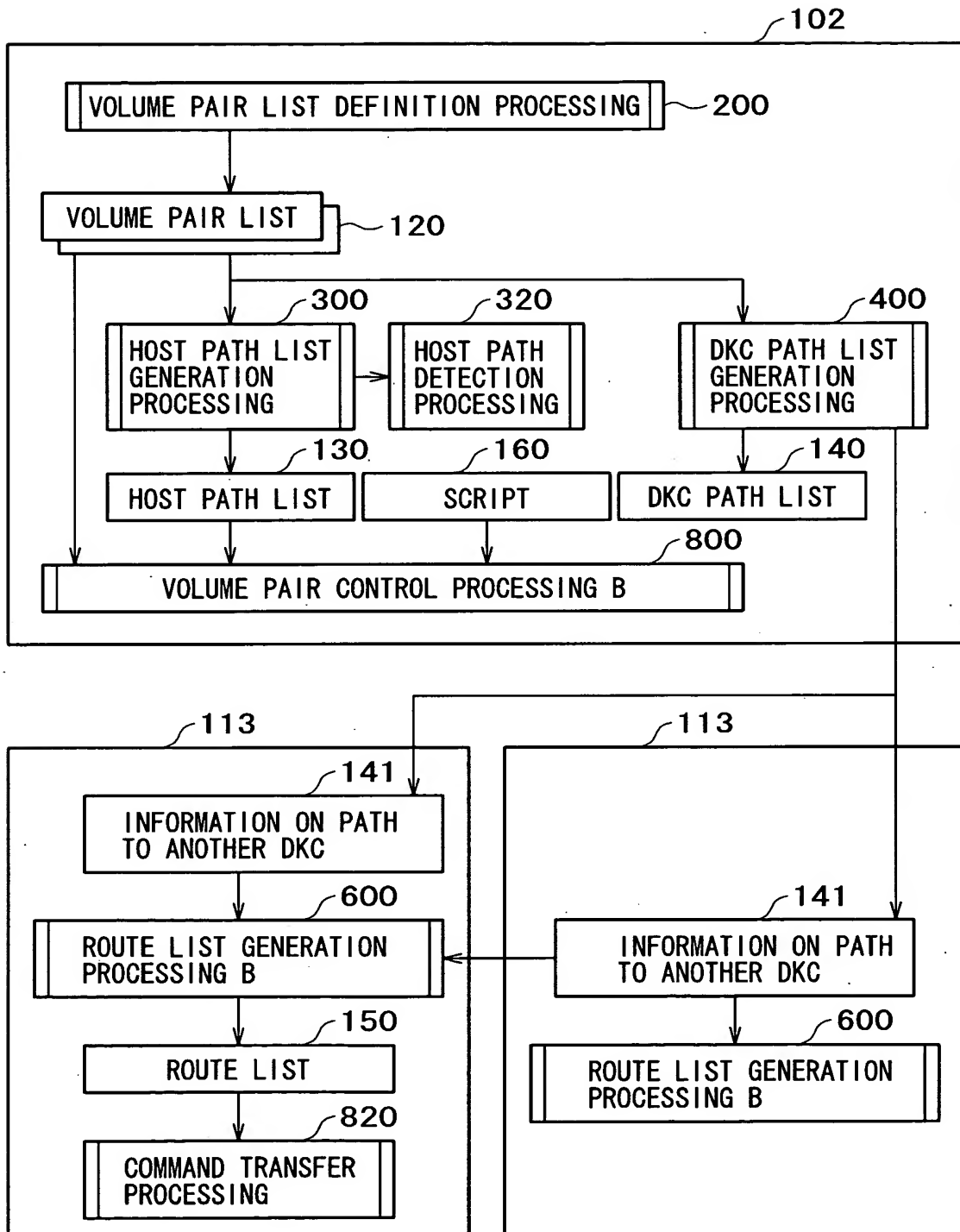


FIG. 17

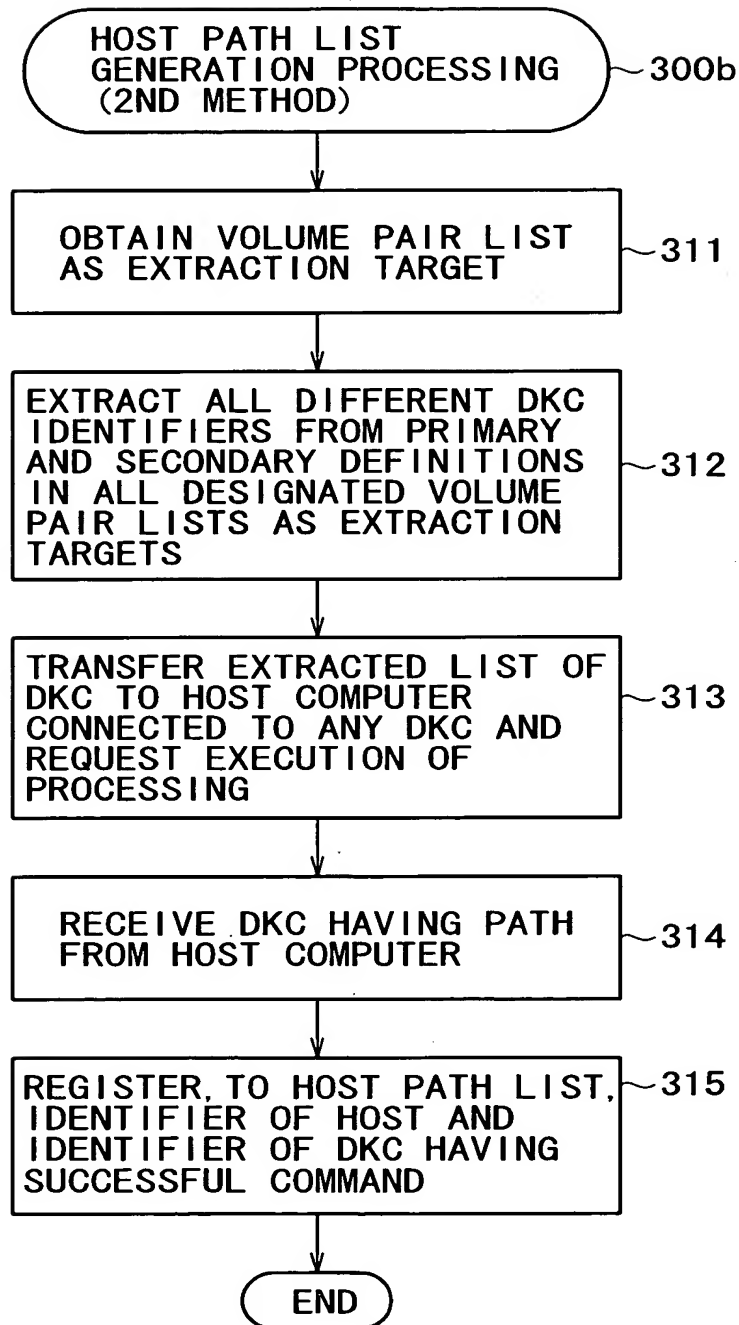


FIG. 18

150b ROUTE LIST

```
<RouteList>
<ID>3DC</ID>
<route host=HA priority=1>
  <DKC hop=1, seq#=DA>
  <DKC hop=2, seq#=DB>
  <DKC hop=3, seq#=DC>
</route>
<route host=HC priority=1>
  <DKC hop=1, seq#=DC>
  <DKC hop=2, seq#=DB>
  <DKC hop=3, seq#=DA>
</route>
<route host=HA priority=2>
  <DKC hop=1, seq#=DA>
  <DKC hop=2, seq#=DC>
  <DKC hop=3, seq#=DB>
</route>
<route host=HC priority=2>
  <DKC hop=1, seq#=DC>
  <DKC hop=2, seq#=DA>
  <DKC hop=3, seq#=DB>
</route>
</RouteList>
```

FIG. 19

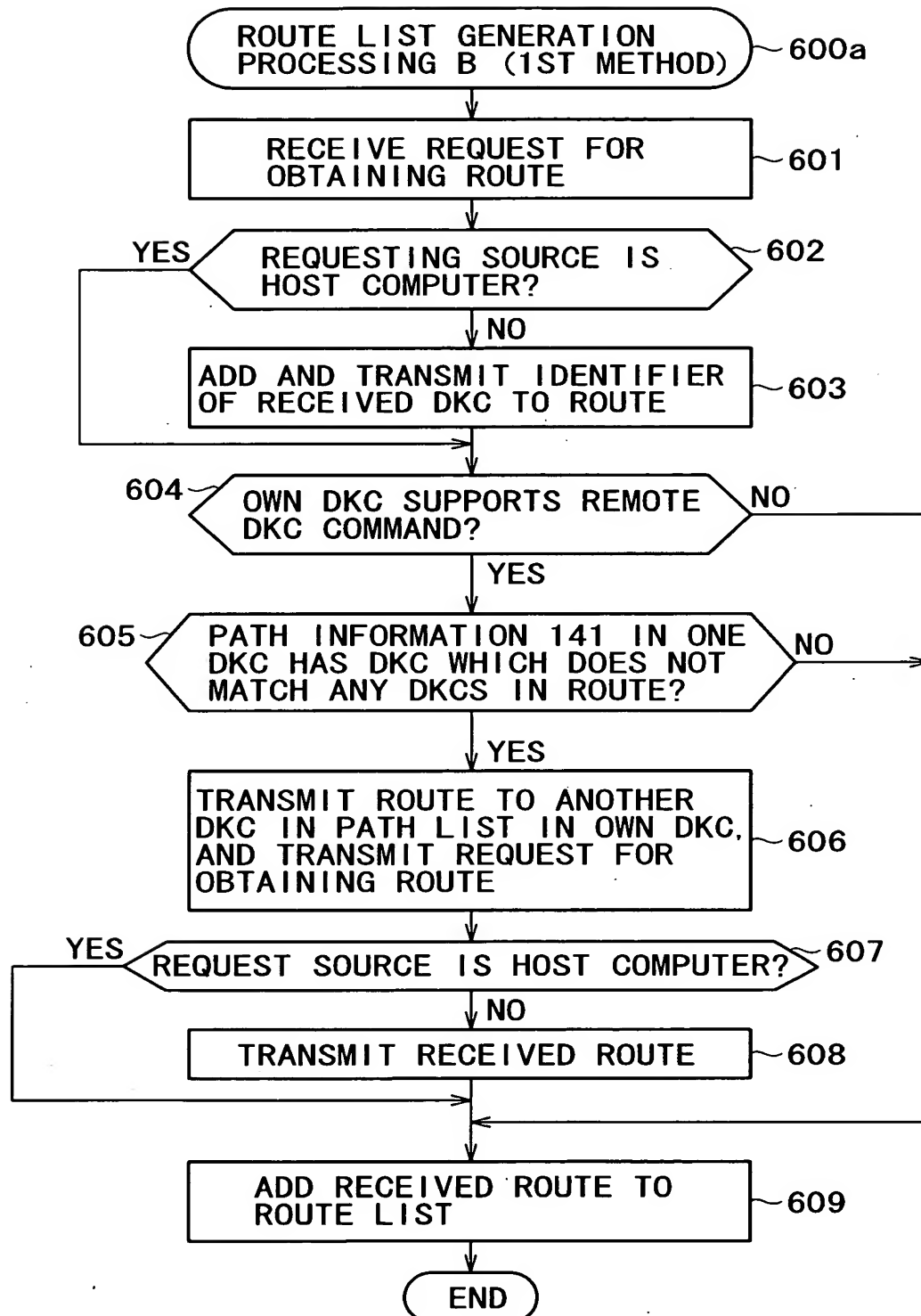


FIG. 20A

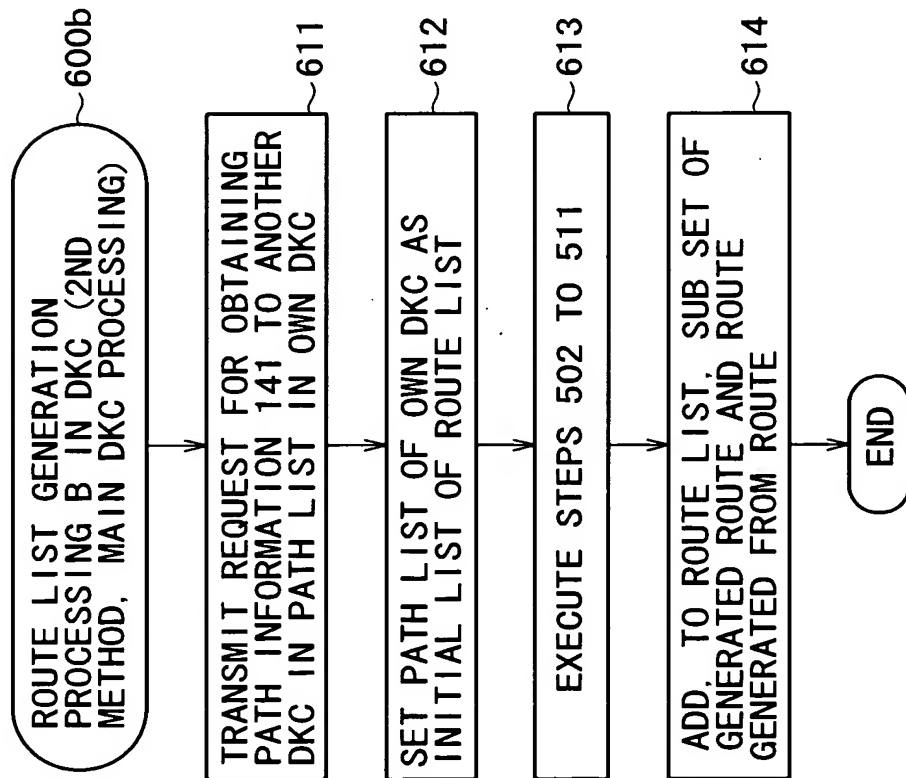


FIG. 20B

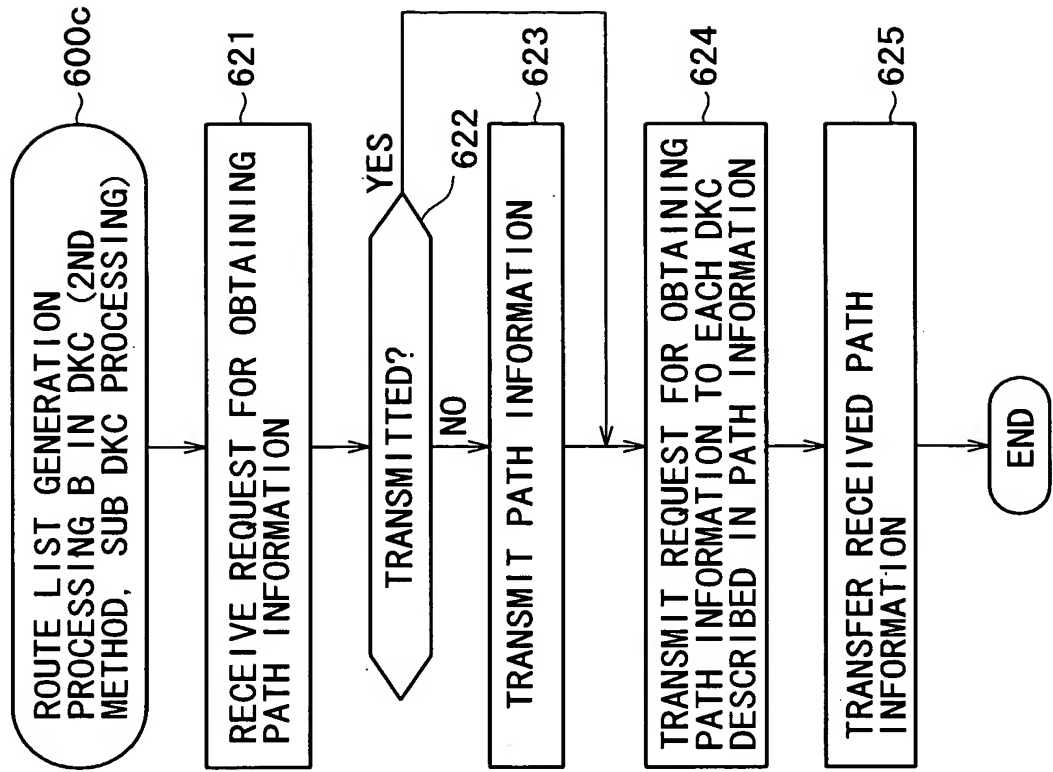


FIG. 21

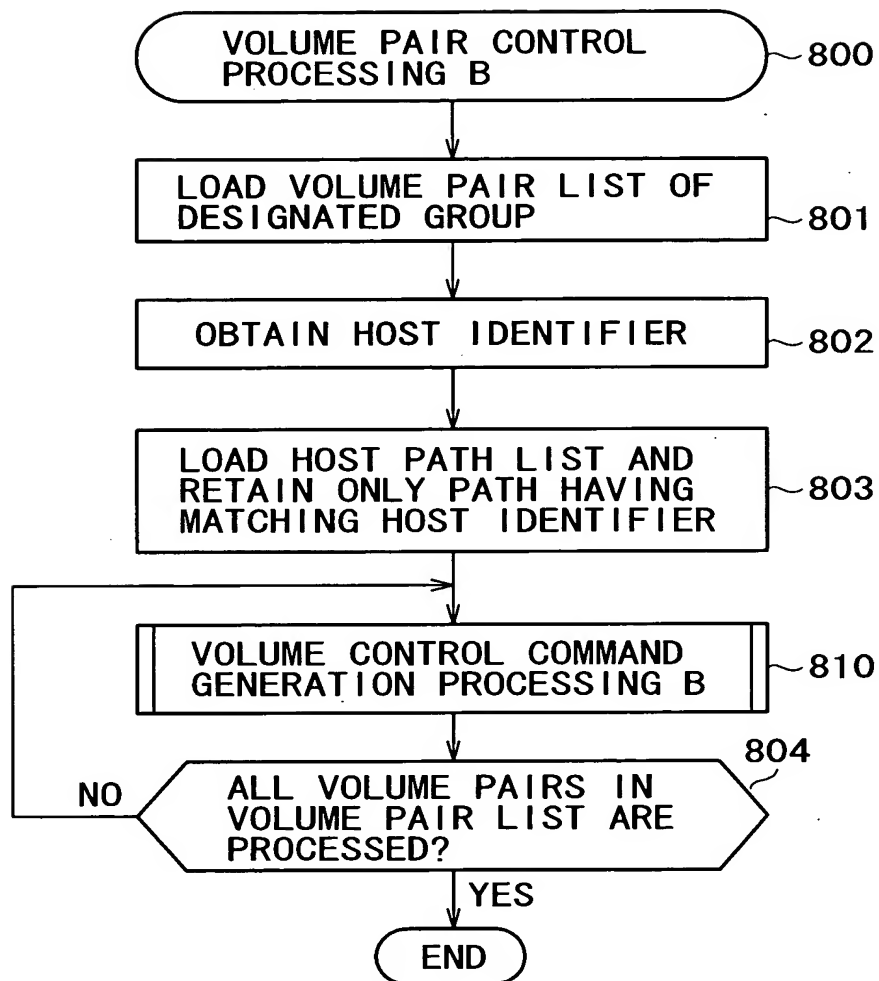


FIG. 22

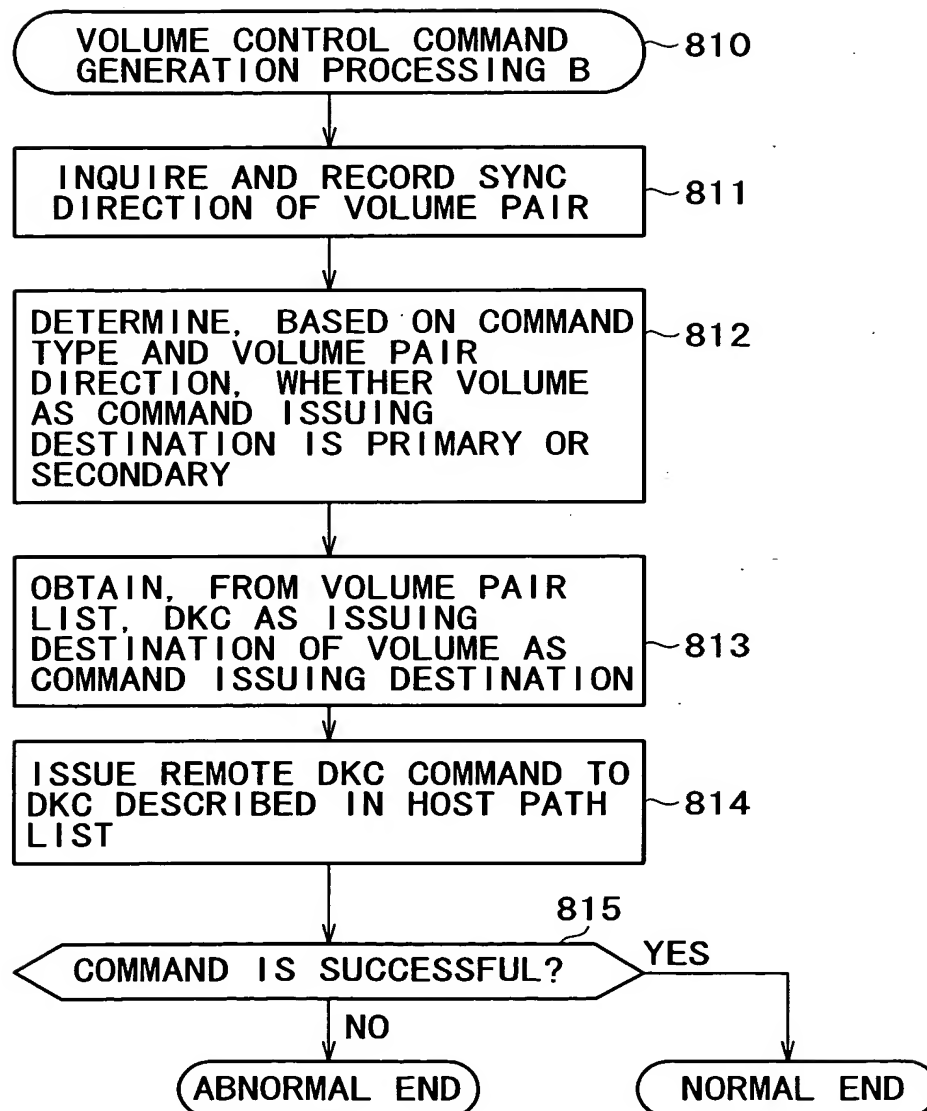


FIG. 23

